

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remain(s) under examination in the application is presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or fewer characters; and 2. added matter is shown by underlining.

1-27. (Canceled).

Please add new claims 28-48:

28. (New) A telecommunications mediation system connected to at least one telecommunications network comprising:

at least one telecommunications terminal connected to the telecommunications network;

at least one telecommunications service server capable of providing at least one telecommunications service and communicating to the system a registration request, the registration request including:

the at least one telecommunications service the telecommunications service server is capable of providing, and

a list of events for which the at least one telecommunications service is to be notified;

at least one user profile, the user profile being user-defined via the at least one telecommunications terminal and comprising:

at least one availability mode corresponding to an activity of the user,

a list of services to which the user has subscribed, and

a record of a capability of the at least one telecommunications terminal;

and

a server comprising:

at least one machine-readable storage medium configured to store at least one user profile, and

a processing unit capable of receiving at least one user profile and storing the at least one user profile in the storage medium, and capable of coordinating telecommunications services based on information stored in the storage medium, by tasks including:

determining user availability by evaluating the user profile,

coordinating the notification and operation of events between users and services by receiving notifications from the telecommunications service server, evaluating the user profile based on user availability, and communicating to the user such that interactions are communicated to the telecommunications terminal in a terminal-appropriate format according to the capability of the at least one telecommunications terminal, and

coordinating the notification and operation of events to the at least one telecommunications service of the at least one telecommunications service server by communicating to the service according to the registration request.

29. (New) The system of claim 28, the processing unit being further capable of communicating a user connectability state associated with a user to the at least one telecommunications terminal by evaluating the at least one user profile stored in the storage medium and a contact list of an active user profile of a terminal user.

30. (New) The system of claim 29, wherein the user profile further comprises a list of contacts authorized to know the connectability state associated with the user and a list of contacts not authorized to know the connectability state associated with the user.

31. (New) The system of claim 28, the processing unit being further capable of identifying and authenticating users that attempt to access the server or the at least one telecommunications service server.

32. (New) The system of claim 28, the processing unit further comprising an interface adapted to provide access to the server via the telecommunications network by:

- receiving processing requests from the at least one telecommunications service server or users;
- retransmitting the processing requests to a component of the server responsible for performing a requested processing operation; and
- transmitting a response from the component of the server in response to the processing requests.

33. (New) The system of claim 32, wherein the interface comprises a plurality of duplicated components to provide fault tolerance.

34. (New) The system of claim 28, the processing unit being further capable of access tasks including:

- connecting and disconnecting a telecommunications terminal and the server;
- connecting and disconnecting a telecommunications service and the server;
- managing, in real time, telecommunications services activated for the user;
- selecting a user profile and an availability mode in the user profile to be activated;
- selecting events for user notification; and
- selecting a telecommunications terminal to receive an incoming call.

35. (New) The system of claim 28, wherein each of the plurality of telecommunications terminals is selected from the group consisting of: a personal computer, a personal digital assistant (PDA), a cellular telephone, and a wire telephone.

36. (New) The system of claim 28, wherein the at least one telecommunications network is selected from the group consisting of: a terrestrial telephone network, a cellular telephone network, and a computer network.

37. (New) The system of claim 28, wherein the at least one telecommunications service server comprises:

- a processing unit capable of at least:
 - connecting to the telecommunications mediation system,

specifying and transmitting the telecommunications service registration request to the telecommunications mediation system, the registration request comprising at least one event of which the telecommunications service server must be notified by the telecommunications mediation system or that the telecommunications service server is capable of transmitting to the telecommunications mediation system, and

receiving, from the telecommunications mediation system, event notifications from other telecommunications services having been specified as required to be notified by the telecommunications service server registration request.

38. (New) The system of claim 28, wherein the machine-readable storage medium is further configured to store the telecommunications service registration request.

39. (New) A method for coordinating telecommunications services provided to a plurality of users via at least one telecommunications terminal connected to at least one telecommunications network, the method comprising:

connecting the telecommunications services to a service mediation server, the service mediation server having a processing unit and at least one machine-readable storage medium;

connecting the at least one telecommunications terminal of a user to the service mediation server;

determining user availability by evaluating at least one user profile, the user profile being user-defined via the at least one telecommunications terminal, stored in the storage medium, and comprising at least one availability mode corresponding to an activity of the user, a list of services to which the user has subscribed, and a record of a capability of the at least one telecommunications terminal;

coordinating the notification and operation of events between users and services by:

receiving notifications from a telecommunications service server, the service server capable of providing at least one telecommunications service and communicating to the system a registration request, the registration request including the at least one telecommunications service the telecommunications service server is capable of providing and a list of events for which the at least one telecommunications service is to be notified, and,

evaluating the user profile based on user availability, and

communicating to the user such that interactions are communicated to the telecommunications terminal in a terminal-appropriate format according to the capability of the at least one telecommunications terminal;

coordinating the notification and operation of events to the at least one telecommunications service of the at least one telecommunications service server by communicating to the at least one telecommunications service according to the registration request; and

communicating a user connectability state associated with a user to the at least one telecommunications terminal by evaluating the user profile stored in the storage medium and a contact list of an active user profile of a terminal user.

40. (New) The method according to claim 39, wherein each availability mode defined by a user includes:

an availability state capable of having the values of available and not available, in call transfer to a specified call number or an unknown number if the user does not want his/her availability state to be accessible,

an optional terminal identifier to which an incoming call intended for the user is transferred,

an event notification mode, and

a list of contacts to which the availability state applies.

41. (New) The method according to claim 40, wherein each availability mode defined by a user also includes availability rules specifying periods in which the availability mode is active.

42. (New) The method according to claim 39, wherein the connectability state of each user can be in one of the following states:

connectable if the active availability mode of the user is in the available state and if at least one user terminal is connected to the service mediation server,

not connectable if no user terminal is connected to the mediation server,
access to the connectability state subject to authorization if the user wants
his/her connectability state to be provided to other users only with his/her prior
authorization,

in transfer if the user specified that incoming calls intended for him/her
must be transferred to a call number specified in the active availability mode, and
unknown if the requested user is not registered with the service mediation
server or if he/she does not want his/her connectability state to be accessible.

43. (New) The method according to claim 39, wherein the transmission of event
notifications to services is carried out upon the request of each connected service.

44. (New) The method according to claim 39, wherein the transmission of an event
notification to a service is performed upon receipt of the event if the service is connected;
otherwise, the event is stored in a log and is notified to the service when the latter connects to the
service mediation server.

45. (New) The method of claim 39, wherein a plurality of user profiles are
defined via the at least one telecommunications terminal.

46. (New) The method of claim 45, wherein the plurality of user profiles
include a personal profile and a professional profile.

47. (New) The method of claim 39, wherein a plurality of availability modes corresponding to activities of the user are defined in the user profile.

48. (New) The method of claim 47, wherein the plurality of availability modes include a meeting mode and a travel mode.